

EQUIPMENT/Cleaner 20

A Non-foaming, General Purpose Equipment Cleaner

Product Description

EQUIPMENT/Cleaner 20 is a highly concentrated detergent designed specifically to remove chemical scale, hard water scale, dry film and LPISM residue, and anti-foam residue from automated developing and resist stripping equipment. It is employed at a concentration of 5-10% and recirculated through the manifold plumbing to assure removal of residue in hard to reach areas including unplugging and descaling nozzles.

When employed regularly as a means of preventative maintenance, EQUIPMENT/Cleaner 20 assures cleaner, more efficient developing and resist stripping and will reduce the discoloration of equipment due to dyes used in typical photopolymers.

Performance Features

- EQUIPMENT/Cleaner 20 is extremely concentrated and is thus economical to use. With routing application, EQUIPMENT/Cleaner 20 can save hours of labor associated with manual cleaning and nozzle replacement.
- EQUIPMENT/Cleaner 20 is effective at removing chemical and hard water scale, photo polymer and resist residue, and anti-foam residue in a single application.
- EQUIPMENT/Cleaner 20 is compatible with most types of equipment and will not attack or soften elastomers.
- EQUIPMENT/Cleaner 20 was formulated to be compatible with PC-Series Developer Concentrates and POLY/Solv RS-Series Resist Stripper Concentrates. After cleaning equipment sumps do not require rinsing prior to employing these chemistries.

Physical Specifications

Physical State	Liquid
Appearance	Clear Solution
Odor	Mild Amine
Freeze/Thaw Stability	Do Not Freeze
Specific Gravity	1.18
pH	12.5 - 14

Equipment Requirements

EQUIPMENT/Cleaner 20 is compatible with all types of plastic, elastomers, and metals and metal alloys except ALUMINUM.

Technical Data Sheet

Product Make-Up

EQUIPMENT/Cleaner 20 MUST BE DILUTED PRIOR TO USE. Depending upon the severity and type of residue to be removed, dilute the product with water such that the final concentration of cleaner is between one and ten percent. Below are recommendations for common applications.

Dry Film Developing	4-6% By Volume
Lpism Developing	8-10% By Volume
Resist Stripping	6-8% By Volume
Waste Treatment	4-6% By Volume
Heated Rinse Sumps	2-4% By Volume

Operating Parameters

The performance of EQUIPMENT/Cleaner 20 increases with elevated temperature. Optimum operating temperature is 120-130°F. Refer to the following procedure for recommended use of the cleaner.

Procedure

1. Thoroughly rinse the equipment with water.
2. Fill the sump with water to 50% of the desired final volume.
3. Add EQUIPMENT/Cleaner 20 at the desired concentration and dilute to final volume with water.
4. Heat to 120 - 130°F.
5. Allow the cleaning solution to circulate through the spray manifold, processing chamber and sump until the chemical scale is completely removed. If possible, increase the manifold pressure to assure nozzles are freed of residue and to heighten the impact in the processing chamber.
6. When cleaning is complete, drain the cleaner and direct to pH adjust, rinse the sump thoroughly with water.

Safety and Handling

Read and understand this products MSDS before handling.

Waste Treatment

Individual users should verify the nature of spent solutions to assure compliance with local, state, and federal regulations. Contact Seacole for specific details and/or further waste treatment recommendations.

Ordering Information

EQUIPMENT/Cleaner 20 is available in 5 gallon pails and 55 gallon drums.

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